

WHAT IS CLAIMED IS:

1. A work light comprising at least two LEDs tilted away from each other to provide, in use, a high intensity beam pattern.
2. A work light according to claim 1 wherein said two LEDs are tilted away from each other to provide an elliptical beam pattern.
3. A work light according to claim 2 wherein the axes of said two LEDs are at 8° to each other.
4. A work light according to claim 2 including an electronic circuit to prove a constant current to said LEDs independent of a supply voltage providing said current.
5. A work light according to claim 4 wherein said electronic circuit comprises a switching regulator.
6. A work light according to claim 5 wherein said electronic circuit includes a microcontroller to control said switching regulator.
7. A work light according to claim 4 wherein said current is provided by a plurality of nickel-metal-hydride batteries.
8. A work light according to claim 7 wherein said batteries comprise eight AA batteries.
9. A work light according to claim 4 wherein said current is controlled via a momentary action switch.

10. A work light according to claim 6 wherein said current is provided by a fuel cell.
11. A work light comprising at least two LEDs tilted away from each other at an offset angle to each other to provide, in use, a high intensity elliptical beam.
12. A work light according to claim 11 wherein said LEDs are tilted away from each other at 8 degrees.
13. A work light according to claim 11 including an electronic circuit to prove a constant current to said LEDs independent of a supply voltage providing said current.
14. A work light according to claim 13 wherein said electronic circuit comprises a switching regulator.
15. A work light according to claim 14 wherein said electronic circuit includes a microcontroller to control said switching regulator.
16. A work light according to claim 13 wherein said current is provided by a plurality of nickel-metal-hydride batteries.
17. A work light according to claim 13 wherein said batteries comprise eight AA batteries.
18. A work light according to claim 13 wherein said current is controlled via a momentary action switch.
19. A work light according to claim 13 wherein said current is provided by a fuel cell.

20. A work light comprising:

- (a) at least two LEDs tilted away from each other at an offset angle to provide, in use, a high intensity elliptical beam;
- (b) said LEDs being enclosed within a first portion of a housing,
- (c) eight NiMH-AA batteries enclosed within a second portion of said housing,
- (d) said first and second portions being interconnected by a flexible neck portion, and
- (e) an electronic circuit including a switching regulator and microcontroller connected to provide, in use, a constant current to said LEDs independent of the voltage supplied by said AA batteries.

21. A work light according to claim 20 including a microcontroller and a momentary action switch to control said regulator.

22. A work light according to claim 20 wherein said microcontroller and momentary action switch control the intensity of said beam.

23. A work light according to claim 20 including a sensing circuit to prevent complete discharge of said batteries.

24. A work light according to claim 20 including a lens to modify the shape of said beam.

25. A work light according to claim 20 including a reflector to modify the shape of said beam.

WR7038532001

26. A work light according to claim 20 wherein the shape of said beam may be modified by changing the angle of said LEDs to each other.

27. A work light according to claim 1 including a detachable magnetic hook member to facilitate hanging the work light from a suitable support.

28. A work light comprising at least one LED and a shaped reflector to provide an elliptical beam.